

Table 1: Family-wise rejection proportions at $\alpha = 0.05$

Adjustment method	(1) Normal errors	(2) Multiple subgroups	(3) Correlated errors	(4) Lognormal errors
Unadjusted	0.398	0.387	0.685	0.577
Bonferroni-Holm	0.040	0.047	0.344	0.234
Sidak-Holm	0.040	0.051	0.347	0.237
Westfall-Young	0.041	0.045	0.513	0.058
Num. observations	100	100	100	100
Num. hypotheses	10	10	10	10
Hypotheses are true	Y	Y	N	Y

Notes: Table reports the fraction of 2,000 simulations where at least one null hypothesis in a family of 10 hypotheses was rejected. All hypotheses are true for the simulations reported in columns (1), (2), and (4), i.e., lower rejection rates are better. All hypotheses are false for the simulation reported in column (3), i.e., higher rejection rates are better. The Westfall-Young correction is performed using 1,000 bootstraps.